

Fig. 1

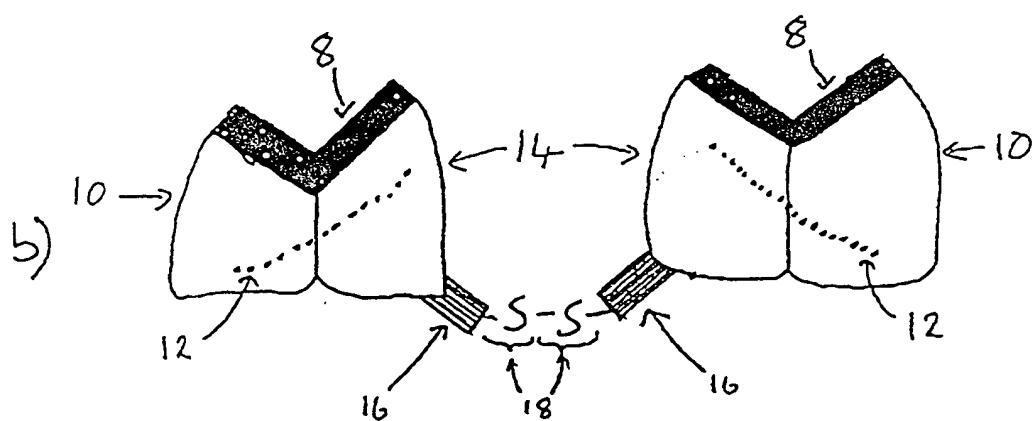
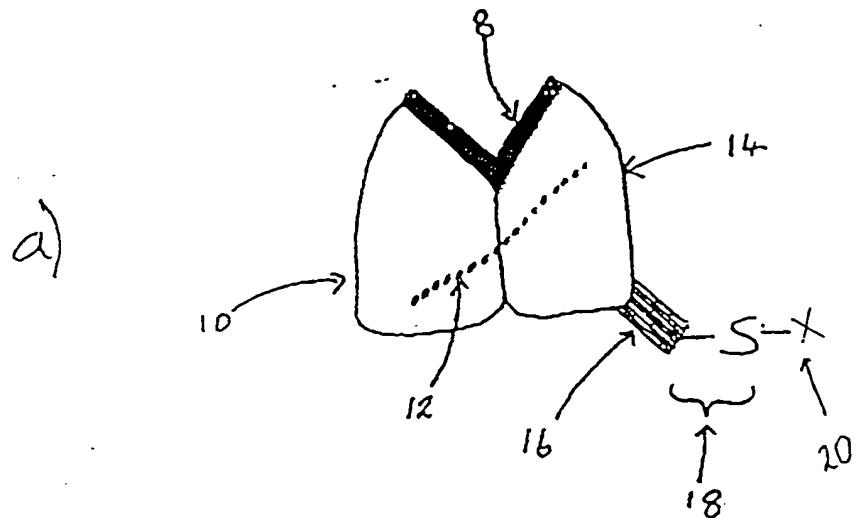


Fig. 2

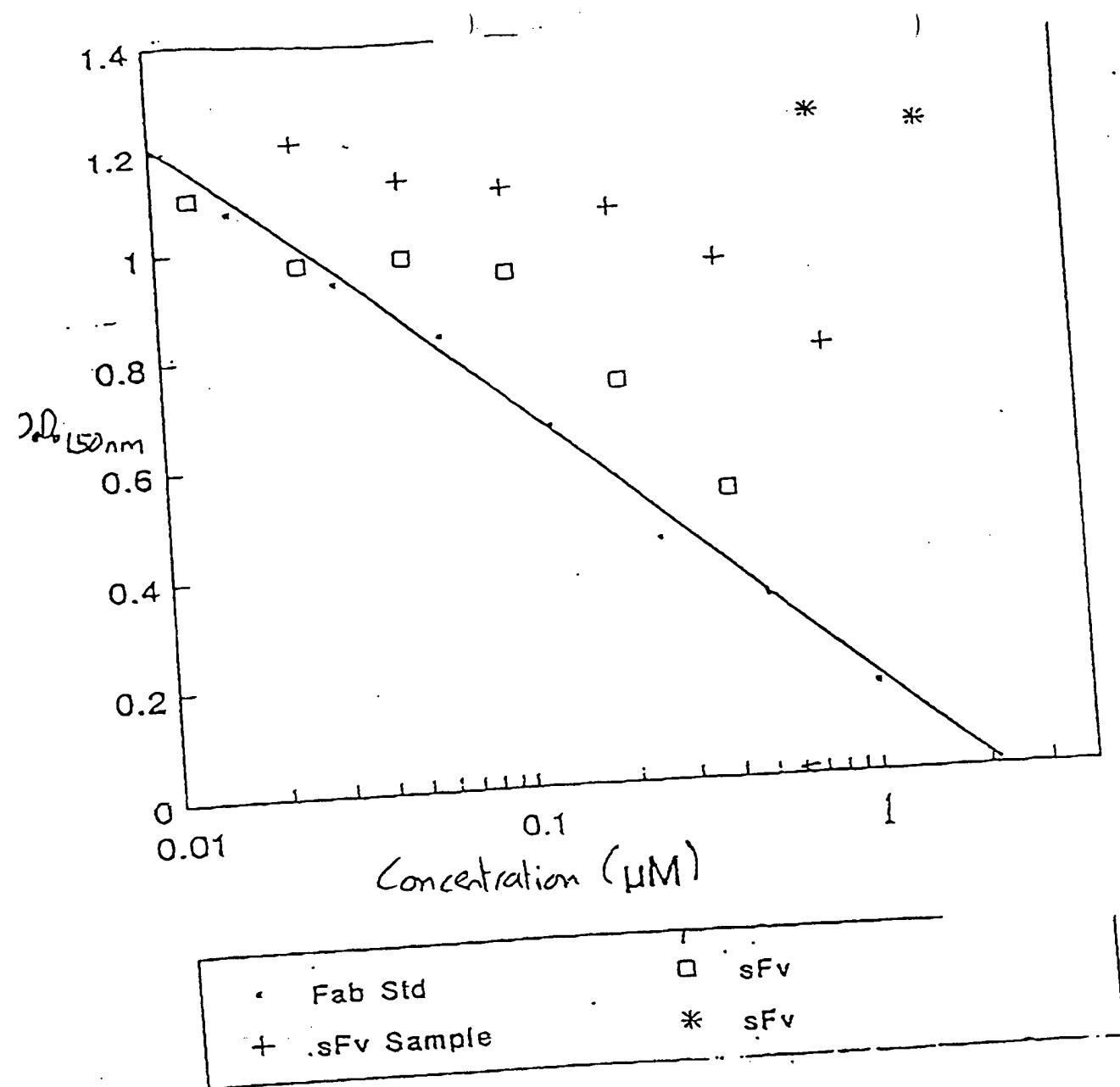


Fig. 3

FIGURE 4
Tumor:Organ Ratios of sFv' and (sFv')₂ Species

| <u>Organ</u> | 741F8 sFv' | 741F8 (sFv') ₂ | 741F8 (Gly ₄ Cys-sFv') ₂ | 741F8 MCA-(sFv') ₂ | 26-10 (sFv') ₂ |
|--------------|---------------|------------------------------|---|----------------------------------|------------------------------|
| Tumor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Liver | 9.2 | 5.9 | 10.0 | 21.2 | 2.2 |
| Spleen | 13.4* | 0.9 | 6.2 | 16.4 | 1.8 |
| Kidney | 1.6* | 2.3 | 3.0 | 6.6 | 0.5 |
| Lung | 4.9* | 0.6 | 6.4 | 9.3 | 1.4 |
| Muscle | 51.2* | 100.0 | 74.6 | 92.9 | 15.0* |
| Heart | 16.5 | 20.0 | 19.0 | 32.6 | 4.4 |
| Stomach | 2.7* | 11.1 | 11.5 | 13.5 | 1.6* |
| Intestine | 20.4* | 25.0 | 30.7 | 26.5 | 5.3 |

*SEM< 40% of depicted value

FIGURE 5
 Percentage of Injected Dose Per Gram of Tumor for
 sFv' , and $(sFv')^2$ Species.

| <u>Organ</u> | 741F8 sFv' | 741F8 $(sFv')^2$ | 741F8 $(Gly^4Cys-sFv')^2$ | 741F8 MCA- $(sFv')^2$ | 26-10 $(sFv')^2$ |
|--------------|-----------------|---------------------|------------------------------|--------------------------|---------------------|
| Tumor | 1.00 | 1.00* | 1.60 | 1.86 | 0.22 |
| Liver | 0.11 | 0.17 | 0.16 | 0.09 | 0.11 |
| Spleen | 0.10 | 1.05 | 0.26 | 0.12 | 0.13 |
| Kidney | 0.64 | 0.43 | 0.55 | 0.28 | 0.45 |
| Lung | 0.73 | 1.61* | 0.26 | 0.22 | 0.18 |
| Muscle | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 |
| Heart | 0.07 | 0.05 | 0.08 | 0.06 | 0.06 |
| Stomach | 0.49 | 0.09 | 0.17 | 0.15 | 0.22 |
| Intestine | 0.06 | 0.04 | 0.06 | 0.07 | 0.05 |

*SEM < 40% of depicted value

741F8

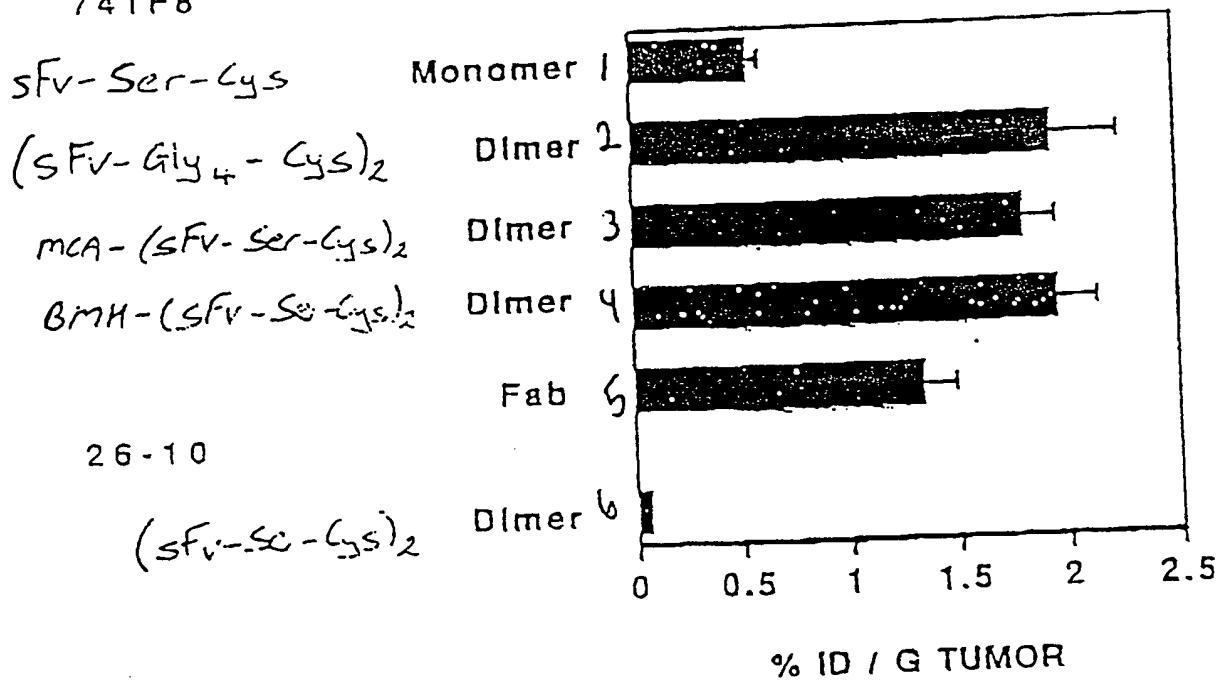


Fig 6